

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A method of dynamically representing a multimedia document in a data-processing system via a software module, said multimedia document being made up of a hierarchically-organized set of elements-(1,4), themselves having attributes, at least one of said attributes being associated with an event-condition-action or "ECA" (ECA) type formalism-(7,9,10), said method ~~being characterized in that it comprises~~comprising the following ordered steps:

describing said multimedia document in a description language; and

having said multimedia document interpreted by said software module, said ECA formalisms being interpreted dynamically so as to enable the representation of said multimedia document to be varied by means of actions being performed as a function of events and of conditions.

2. (Original) A method according to claim 1, characterized in that said multimedia document includes a portion describing said elements, and a portion describing said formalisms, and in that the associations between said elements and said formalisms are established by identifiers.

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3. (Previously Presented) A method according to claim 1, characterized in that said description language complies with the XML Recommendation.

4. (Currently Amended) A method according to claim 1, in which ~~method~~ the hierarchically-organized set is made up of "~~composite~~"composite elements, each of which is made up of "~~contained~~"contained elements, the attributes of the various elements being "~~statuses~~"statuses which describe the states of the various portions of the document, and in which ~~method~~ an event is constituted by a change in the value of a status of an element being detected by said element and resulting in an action being performed to change the appearance or the behavior of the document, when a condition constituted by a logic expression associating status values relating to various elements is satisfied.

5. (Currently Amended) A multimedia document made up of a hierarchically-organized set of elements ~~(1, 4)~~ themselves having attributes, at least one of said attributes being associated with an event-condition-action or "ECA" type formalism ~~(7, 9, 10)~~, said multimedia document being characterized in that it is described in a description language, and in that said ECA formalisms are described in a manner such as to enable them to be interpreted by a software module so as to enable the representation of said multimedia document to be varied by means of actions being performed as a function of events and of conditions.

6. (Original) A multimedia document according to claim 5, characterized in that said multimedia document includes a portion describing said elements, and a portion describing

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said formalisms, and in that the associations between said elements and said formalisms are established by identifiers.

7. (Previously Presented) A multimedia document according to claim 5, characterized in that said description language complies with the XML Recommendation.

63 8. (Previously Presented) A multimedia document according to claim 5, in which document the hierarchically-organized set is made up of "~~composite~~"composite elements, each of which is made of "~~contained~~"contained elements, the attributes of the various elements being "~~statuses~~"statuses which describe the states of the various portions of the document, and in which document an event is constituted by a change in the value of a status of an element being detected by said element and resulting in an action being performed to change the appearance or the behavior of the document, when a condition constituted by a logic expression associating status values relating to various elements is satisfied.

9. (New) A method according to claim 1, wherein said description language complies with the XML Recommendation of the WC3.

10. (New) A method according to claim 4, wherein said status of an element goes from a false state to a true state or vice versa as a result of the occurrence of an event which is the result of a behavior of an element.

11. (New) A method according to claim 4, wherein said composite elements comprise a plurality of attributes.

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12. (New) A method according to claim 11, wherein said composite elements comprise an identification attribute, wherein said identification attribute enables an element to be given a name.

h 13. (New) A method according to claim 1, wherein said multimedia document further comprises links, wherein said links comprise at least one of each of a link devoted to events, a link devoted to conditions and a link devoted to actions.
